

Samson, Harvey S.

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## Exercise 4: Sharing Images

- Getting started, finding images, tagging image

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Command Prompt
Microsoft Windows [Version 10.0.18363.1556]
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C:\Users\Harvey Samson>docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: harveysamson
Password:
Login Succeeded

C:\Users\Harvey Samson>docker search
'docker search' requires exactly 1 argument.
See 'docker search --help'.

Usage: docker search [OPTIONS] TERM

Search the Docker Hub for images

C:\Users\Harvey Samson>docker search kafka
NAME                                DESCRIPTION                                STARS     OFFICIAL    AUTOMATED
wurstmeister/kafka                 Multi-Broker Apache Kafka Image           1364      [OK]
spotify/kafka                      A simple docker image with both Kafka and Zo... 411      [OK]
bitnami/kafka                      Apache Kafka is a distributed streaming plat... 239      [OK]
sheepkiller/kafka-manager          kafka-manager                             204      [OK]
kafkamanager/kafka-manager         Docker image for Kafka manager             123
ches/kafka                         Apache Kafka. Tagged versions. JMX. Cluster-... 117      [OK]
hriebelbau/kafka-manager           CMK (previous known as Kafka Manager) As Do... 82      [OK]
landoop/kafka-topics-ui            UI for viewing Kafka Topics config and data ... 36      [OK]
solsson/kafka                     http://kafka.apache.org/documentation.html#q... 22      [OK]
johnnypark/kafka-zookeeper         Kafka and Zookeeper combined image         22
debezium/kafka                    Kafka image required when running the Debezi... 21      [OK]
landoop/kafka-lenses-dev           Lenses with Kafka. +Connect +Generators +Con... 20      [OK]
danielqsj/kafka-exporter           Kafka exporter for Prometheus              18      [OK]
landoop/kafka-connect-ui           Web based UI for Kafka Connect.            17      [OK]
digitalwonderland/kafka           Latest Kafka - clusterable                15      [OK]
tchiotludo/kafkahq                Kafka GUI to view topics, topics data, consu... 6      [OK]
solsson/kafkacat                  https://github.com/edenhill/kafkacat/pull/110 5      [OK]
solsson/kafka-manager              Deprecated in favor of solsson/kafka:cmak     5      [OK]
solsson/kafka-prometheus-jmx-exporter For monitoring of Kubernetes Kafka clusters ... 4      [OK]
solsson/kafka-consumers-prometheus https://github.com/cloudworkz/kafka-minion    4
mesosphere/kafka-client            Kafka client                              3      [OK]
zenko/kafka-manager                Kafka Manger https://github.com/yahoo/kafka-... 2      [OK]
digitsy/kafka-magic                Kafka Magic Images                        2
anchorfree/kafka                   Kafka broker and Zookeeper image           2
zenreach/kafka-connect             Zenreach's Kafka Connect Docker Image      2

C:\Users\Harvey Samson>
```

```
Command Prompt

anchorfree/kafka                   Kafka broker and Zookeeper image           2
zenreach/kafka-connect             Zenreach's Kafka Connect Docker Image      2

C:\Users\Harvey Samson>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
delner/ping   latest    d1902fcb0c46   16 hours ago   139MB
ubuntu        16.04    9ff95a467e45   10 days ago    135MB

C:\Users\Harvey Samson>docker tag delner/ping:1.0
Error response from daemon: No such image: ping:latest

C:\Users\Harvey Samson>docker tag delner/ping samson/ping:1.0

C:\Users\Harvey Samson>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
delner/ping   latest    d1902fcb0c46   16 hours ago   139MB
samson/ping   1.0      d1902fcb0c46   16 hours ago   139MB
ubuntu        16.04    9ff95a467e45   10 days ago    135MB

C:\Users\Harvey Samson>docker rmi delner/ping
Untagged: delner/ping:latest

C:\Users\Harvey Samson>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
samson/ping   1.0      d1902fcb0c46   16 hours ago   139MB
ubuntu        16.04    9ff95a467e45   10 days ago    135MB

C:\Users\Harvey Samson>docker push samson/ping:1.0
The push refers to repository [docker.io/samson/ping]
0409082901cf: Preparing
cdc4d0cd3d15: Preparing
43d05a2c9517: Preparing
1902cf049561: Preparing
9fe0465040da: Preparing
denied: requested access to the resource is denied

C:\Users\Harvey Samson>docker push samson/ping:1.0
The push refers to repository [docker.io/samson/ping]
0409082901cf: Preparing
cdc4d0cd3d15: Preparing
43d05a2c9517: Preparing
1902cf049561: Preparing
9fe0465040da: Preparing
denied: requested access to the resource is denied

C:\Users\Harvey Samson>
```

- Tagging part 2 (due to an error earlier), pushing images

```
Command Prompt
C:\Users\Harvey Samson>docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
harveysamson/ping    1.0         d1902fcb0c46  16 hours ago  139MB
samson/ping          1.0         d1902fcb0c46  16 hours ago  139MB
ubuntu               16.04      9ff95a467e45  10 days ago   135MB

C:\Users\Harvey Samson>docker rmi samson/ping
Error: No such image: samson/ping

C:\Users\Harvey Samson>docker push harveysamson/ping:1.0
The push refers to repository [docker.io/harveysamson/ping]
0409082981cf: Pushed
cdc4d0cd3d15: Pushed
43d05a2c9517: Pushed
1902cf049561: Pushed
9fa04650404a: Pushed
1.0: digest: sha256:e47d28ece64e487035126df063c45e369c4a338eae943b3c3df7723fc1fbe05f size: 1361

C:\Users\Harvey Samson>
```

